

Title (en)

METHOD FOR MANUFACTURING MICRO-NEEDLE ARRAY UNIT

Title (de)

VERFAHREN ZUR HERSTELLUNG EINER MIKRONADELANORDNUNGSEINHEIT

Title (fr)

PROCÉDÉ DE FABRICATION D'UNE UNITÉ DE RÉSEAU DE MICRO-AIGUILLES

Publication

EP 3791918 A1 20210317 (EN)

Application

EP 19799100 A 20190410

Priority

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- JP 2019015645 W 20190410

Abstract (en)

Provided is a method of producing a microneedle array unit which is capable of suppressing damage to a microneedle array. The method of producing a microneedle array unit, including an array preparing step of preparing a microneedle array which includes a sheet and a plurality of needles arranged on one surface of the sheet; a container preparing step of preparing a container which includes an accommodating portion defining an opening and a space for accommodating the microneedle array, and a deformable portion disposed on a side opposite to the opening and integrated with the accommodating portion; an accommodating step of accommodating the microneedle array in the accommodating portion of the container by allowing the other surface of the sheet of the microneedle array and the deformable portion of the container to oppose each other; and a deforming step of deforming an outer surface of the accommodating portion inward, which is positioned between the one surface of the sheet of the microneedle array and the opening of the accommodating portion, to form a protrusion that reduces an area of the opening.

IPC 8 full level

A61M 37/00 (2006.01)

CPC (source: EP US)

A61M 37/0015 (2013.01 - EP US); **B23P 11/005** (2013.01 - US); **B65B 5/045** (2013.01 - US); **B81B 1/008** (2013.01 - US); **B81C 1/00111** (2013.01 - US); **A61M 2037/0023** (2013.01 - EP); **A61M 2037/0053** (2013.01 - EP US); **B81B 2201/055** (2013.01 - US); **Y10T 29/49826** (2015.01 - US)

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Designated extension state (EPC)

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